Technical Note
Switching from Microsoft Driver to WIDCOMM

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1 Intoduction

This document describes how to switch from the Microsoft driver to the WIDCOMM driver on Windows XP so that the BTW Bluetooth software can be used with your Bluetooth USB device.

This problem may arise when installing the WIDCOMM Bluetooth software on Windows XP SP1/SP2. When the device is first inserted the system attempts to locate a signed driver that will work with the device. In this case the Microsoft driver is installed first if its Bluetooth driver supports the device being installed.

2 Installing the WIDCOMM Bluetooth driver

2.1 CHECK TO SEE IF THE MICROSOFT DRIVER IS INSTALLED

The Device Manager can be opened by right clicking on the *"My Computer"* icon and selecting the *"Properties"* menu option. When the Properties dialog appears select the *"Hardware"* tab and then click the *"Device Manager"* button.

When Microsoft stack is in control then the **Bluetooth Radios** category is present in the Device Manager as shown below, Figure 1. There will be 2/3 devices under that category, depending on the implementation, these are:

- Bluetooth Printing Support
- Microsoft Bluetooth Enumerator
- "Actual device". (Example: NanoSira Bluetooth Reference Radio)

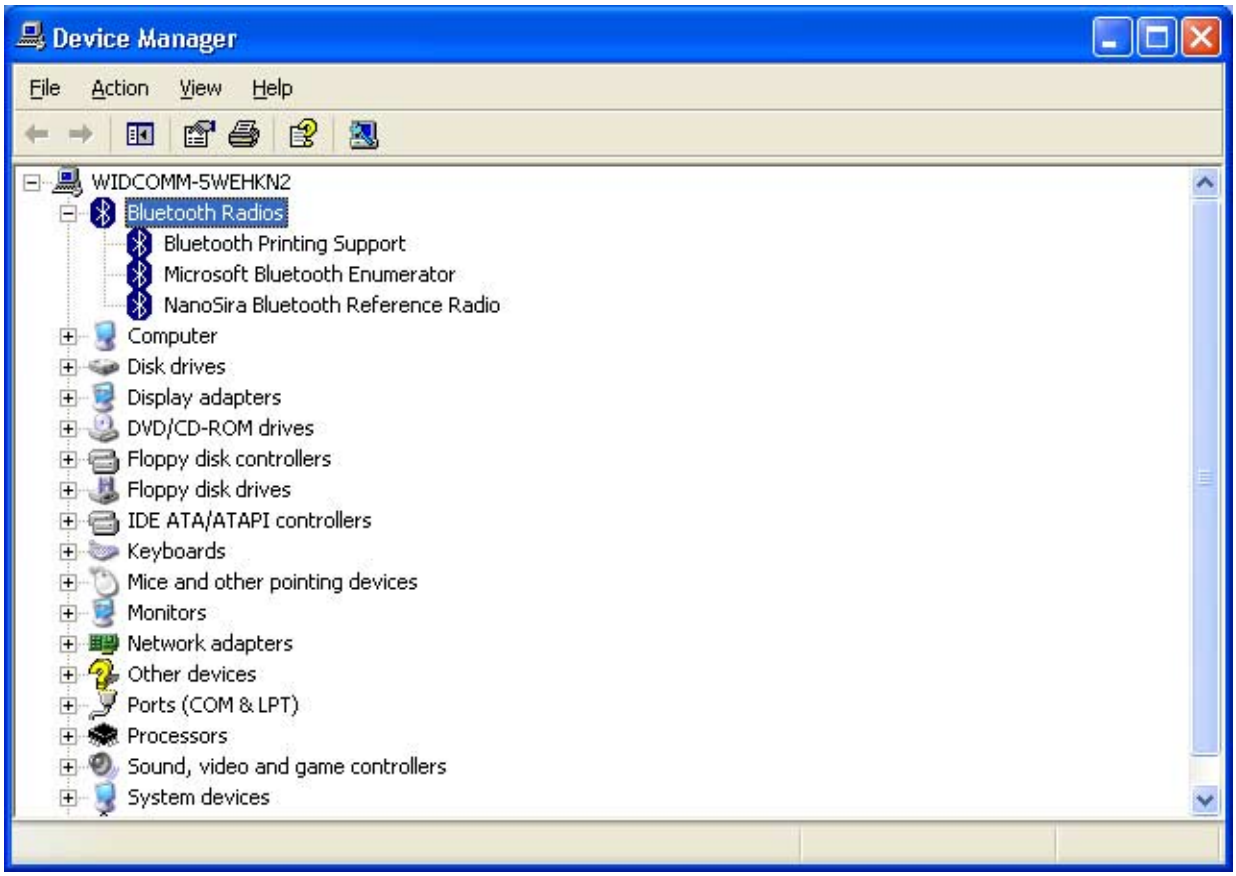

Figure 1

2.2 INSTALLING THE WIDCOMM BLUETOOTH DRIVER

From figure 1, highlight the *"Actual Device"*. Select *"Action -> Properties"* menu option. The following dialog will appear as shown below, Figure 2.

Select Driver tab. Verify that the provider is Microsoft. Click the *"Update Driver"* button.

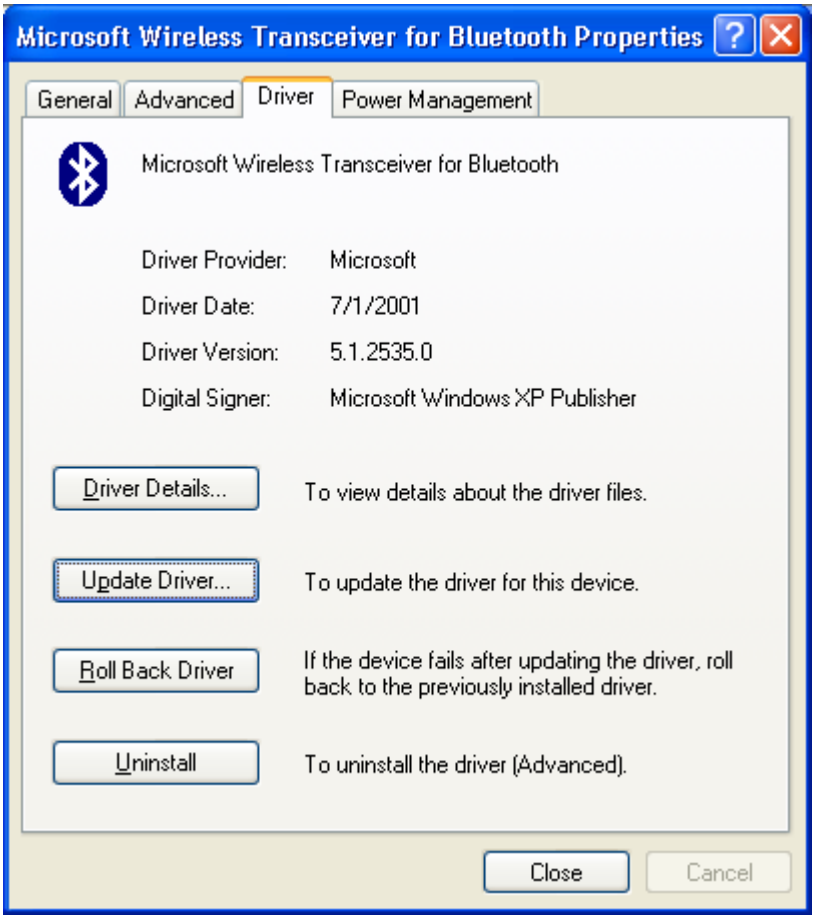

Figure 2

2.3 USING THE HARDWARE UPDATE WIZARD TO INSTALL THE WIDCOMM DRIVER

When the Hardware Update Wizard appears, Figure 3, we are now ready to install the WIDCOMM Bluetooth driver.

Select ***"Install from a list or specific location (Advanced)"*** radio button and click on the ***"Next"*** button to continue.

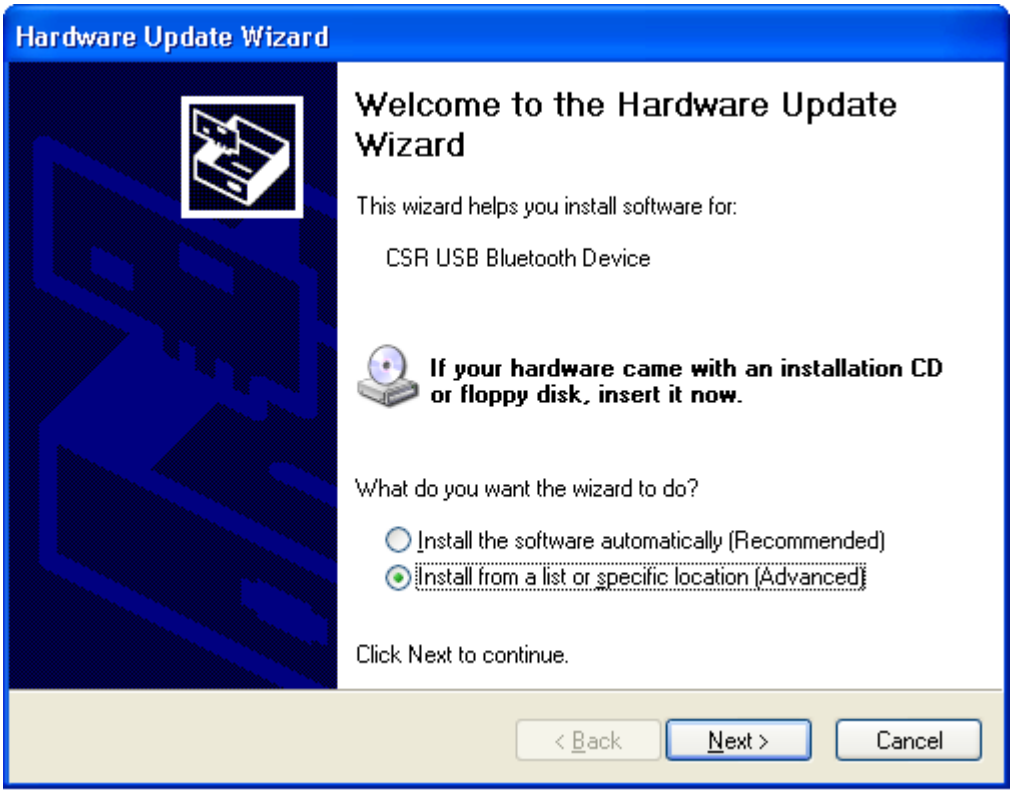
Hardware Update Wizard
Welcome to the Hardware Update Wizard
This wizard helps you install software for:
CSR USB Bluetooth Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Figure 3

The following screen will now appear, Figure 4. Select ***"Don't search. I will choose the driver to install"*** checkbox and click on the ***"Next"*** button to continue.

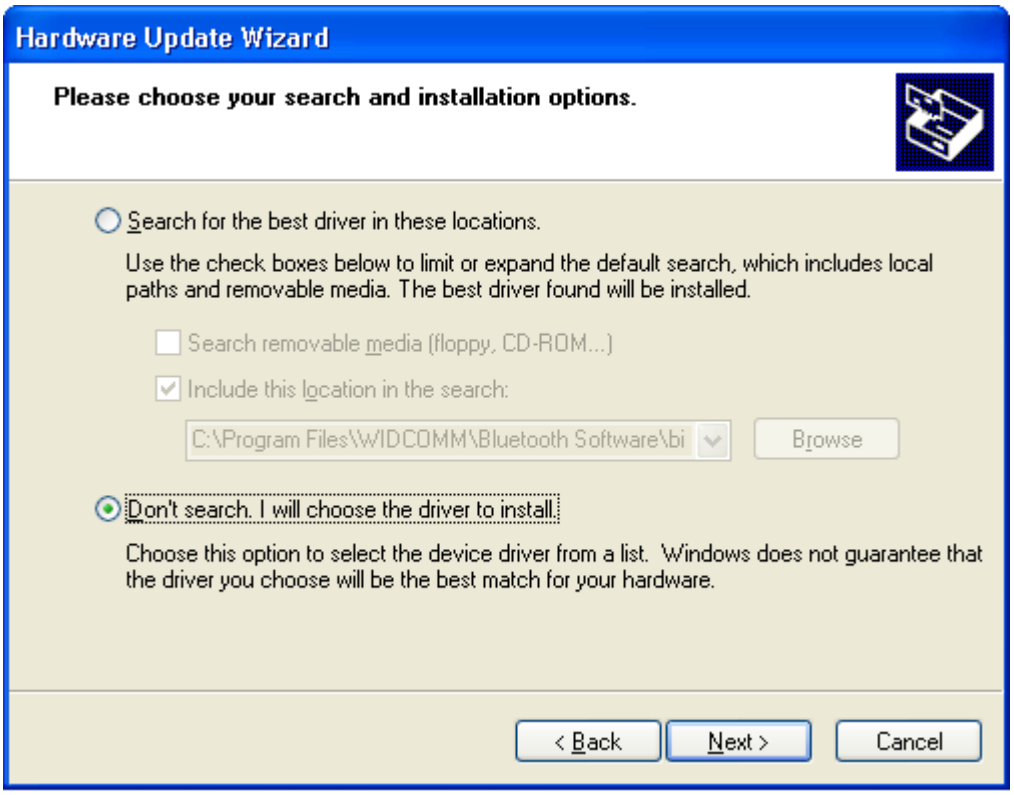
Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
C:\Program Files\WIDCOMM\Bluetooth Software\bi
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

Figure 4

The following screen will now appear, Figure 5. This page provides the selection between Microsoft and Widcomm provided drivers. Select the last device in the list and click on ***"Next"*** button to continue.

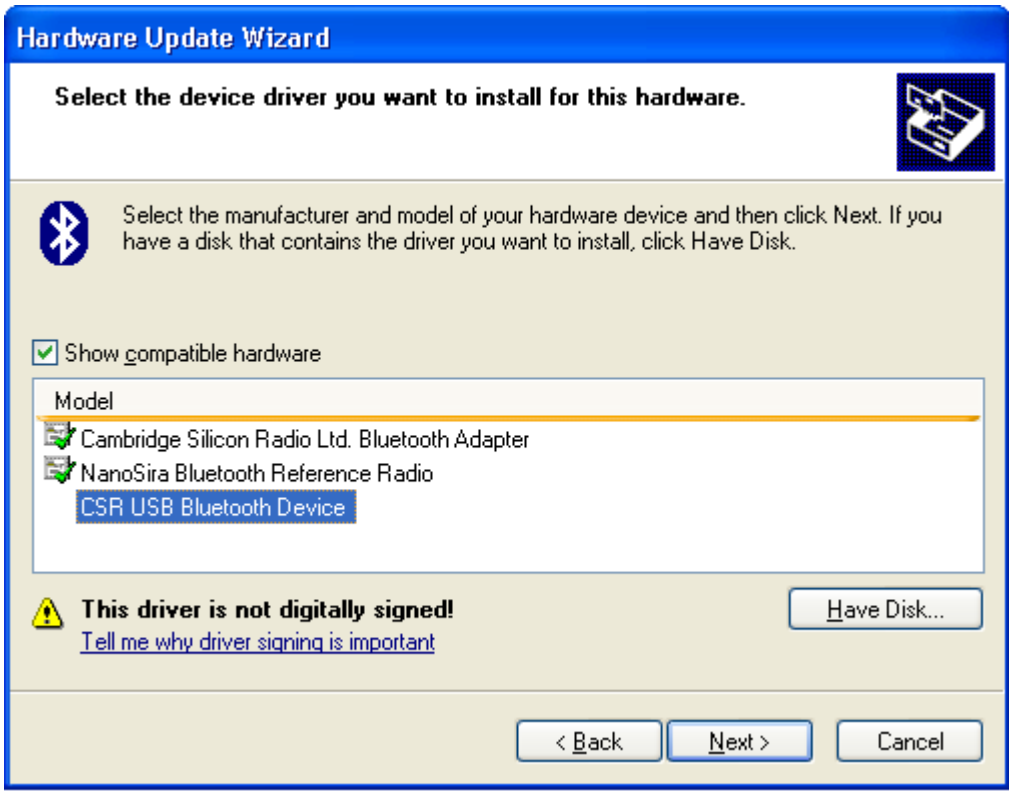
Hardware Update Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
Cambridge Silicon Radio Ltd. Bluetooth Adapter
NanoSira Bluetooth Reference Radio
CSR USB Bluetooth Device
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

Figure 5

The following screen will appear, Figure 6. Click the ***"Finish"*** button to complete the installation.

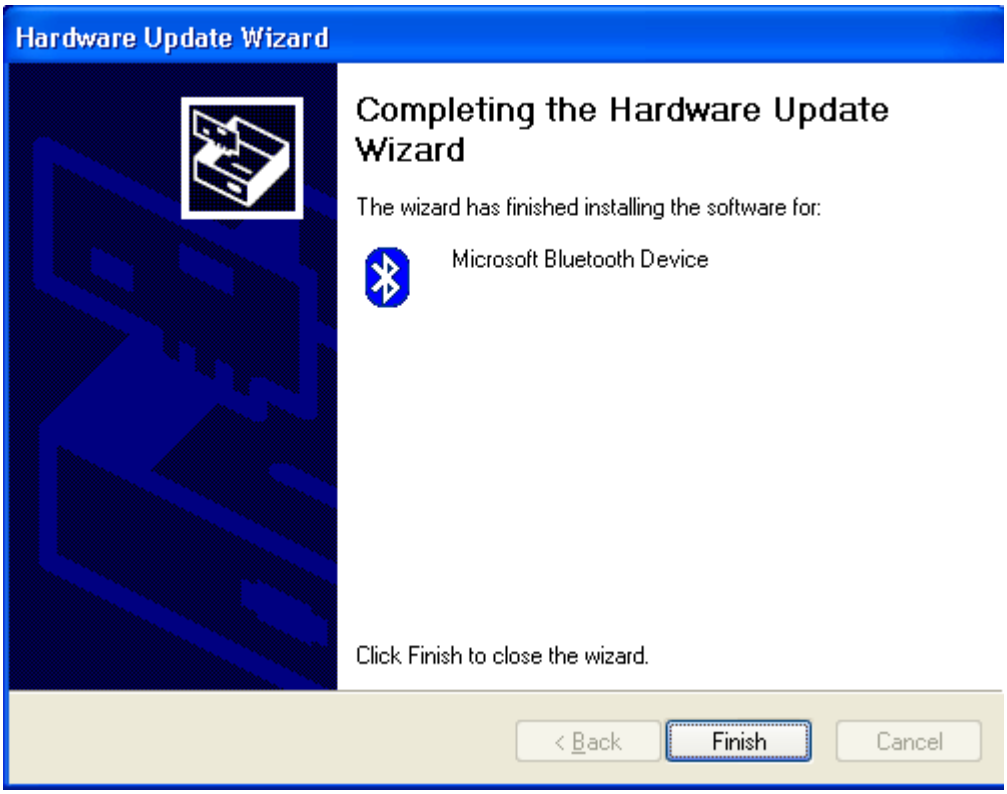

Figure 6

2.4 VERIFY THE WIDCOMM DRIVER IS INSTALLED

Once the Hardware Update Wizard has completed successfully the following device properties screen should appear as shown in Figure 7, below. If the WIDCOMM Driver installation was successful the ***"Device Provider"*** will have changed to display WIDCOMM instead of Microsoft as originally shown in Figure 2.

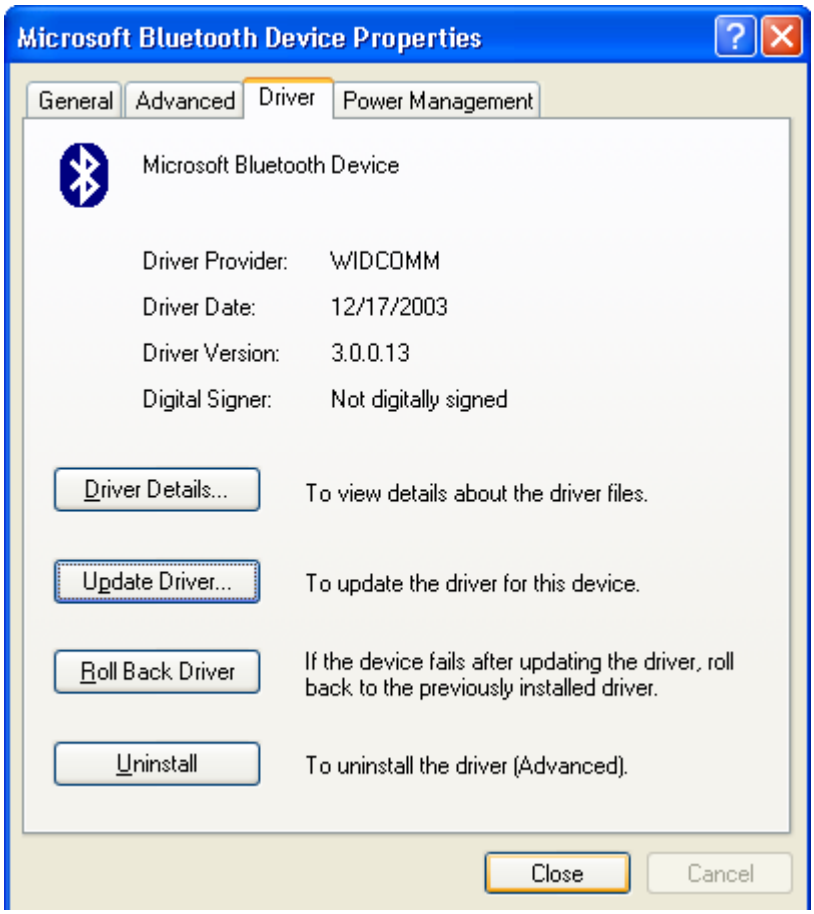

Figure 7

After clicking on the “Close” button in Figure 7 the Device Manager will appear. You will notice that the ***“Bluetooth Radios”*** section has been removed and has been replaced with the ***“Bluetooth Devices”*** section. This section only contains one entry for the WIDCOMM Bluetooth driver. If your Device Manager looks similar, Figure 8, then the installation has been successful. The Device manager can be closed and you can proceed to use the WIDCOMM Bluetooth software.

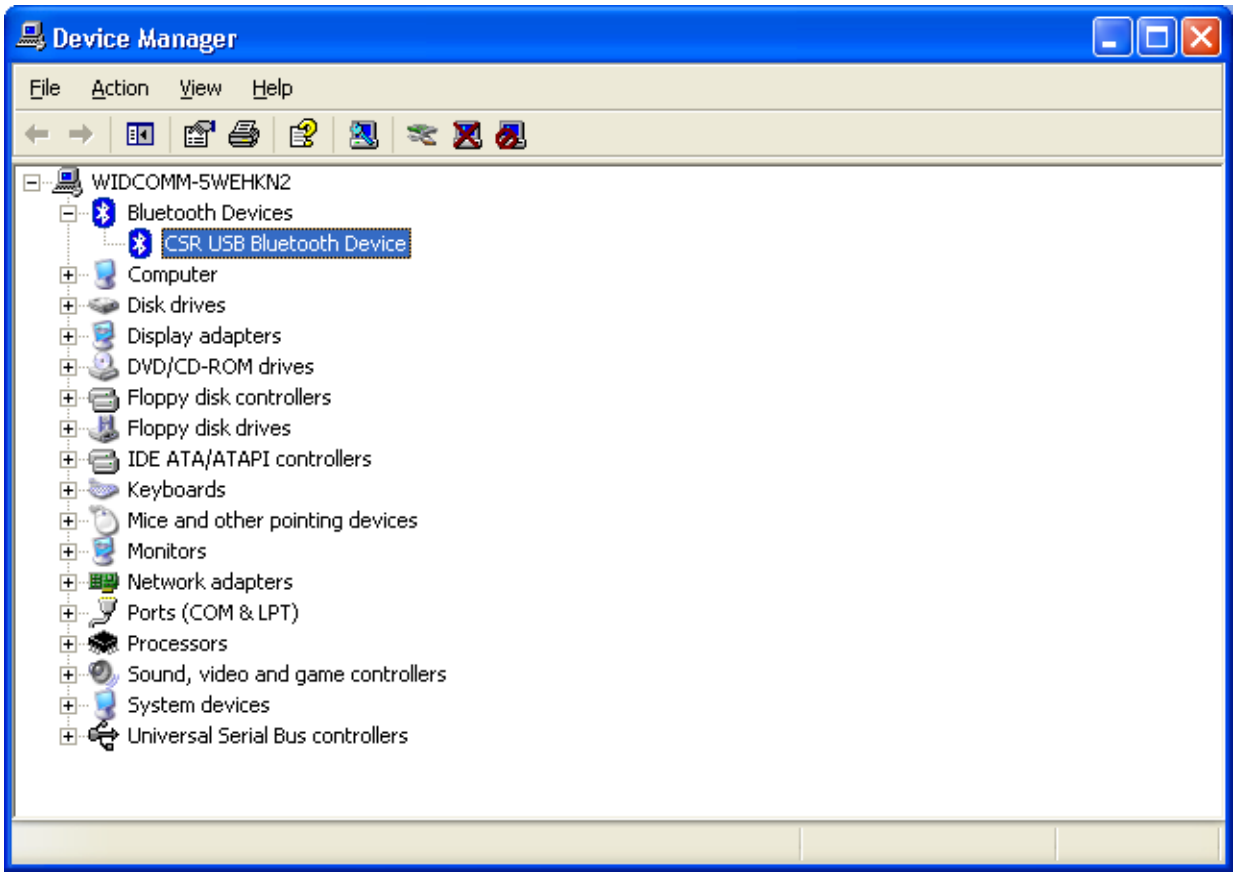

Figure 8